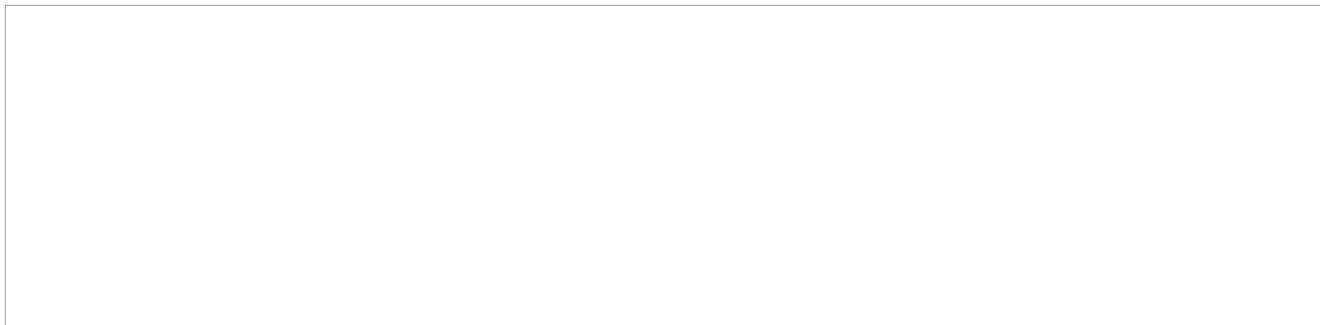


**SECRET****NII-11 - CONKII****Sheet # 2**

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IV The [ ] 16 German specialists formerly at NII-11 have returned and are presently in the DDR.

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NAME	TITLE	SPECIALTY	ASSIGNMENT AT NII-11	RETURNED	LAST KNOWN PLACE OF EMPLOYMENT OR DDR LOCATION
**BAIER (aka BEYER), Otto	Dr	Nuclear physics	Lab I/translated tech books fm German to Russian	May 52	Miersdorf Institute of Nuclear Physics
BAUER, W.	Dr	Physics	Lab I/vacuum tech. & resistor layer deposits	Jan 51	Inst. for Optics & Mech. Berlin-Adlershof
BAUSEMER, Arnold	Ing	Design telecommu- nications equip.	Drafting & Design Dept.	Jan 51	Plant "HF", East Berlin
BRADY, Rudolf	Tech	Centimeter waves & oscillographs	Lab III & IV/Oscillographs & pulse transmitters	Jan 51	Ditto
BOEHM, Hans	Ing	Design engr.	Drafting & Design Dept.	Jan 51	Funkwerke Koeppenick, East Berlin
FEGERT, Heinrich	Dipl Ing	Receiver develop.	Lab II/receivers; distance meas. equip.	Jan 51	General Intendanz des Rundfunks, E. Berlin
JUERT, Johannes	Ing	Design engr.	Drafting & Design Dept.	Jan 51	Funkwerke Koeppenick, East Berlin
KRUEGER, Anton	Ing	Design engr; deci- meter wave tech.	Drafting & Design Dept.	Jan 51	Oberschoenweide
ORTTEL, Kurt	Ing	Engr	Lab V/Develop. of meas. instra.	Jan 51	Oberschoenweide, HF Werk fuer Fernmelde- wesen, Berlin

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**SECRET**

**SECRET****NII-11 - GORKIY****Sheet # 3**

<u>NAME</u>	<u>TITLE</u>	<u>SPECIALTY</u>	<u>ASSIGNMENT AT NII-11</u>	<u>RETURNED</u>	<u>LAST KNOWN PLACE OF EMPLOYMENT OR DDR LOCATION</u>
OERTEL, Wilhelm	Ing	Design engr.	Designs Drawing Office/Chief	Jan 51	Oberschoenweide HF Werk fuer Fern- meldewesen, Berlin
REIDT, Fnu	Ing	Design engr.	Drafting & Design Dept.	Jan 51	Funkwerke Koeppenick, East Berlin
RIEDEL, Willi	Ing	Telecommunications	Lab II/Coordinator between fabricat- ing section of plant & the lab	Jan 51	NEF, East Berlin
*ROHDE, Wolfgang	Dr	Physics;deci-trans-	Lab II/Airborne pulse transmitters	May 52	HF Plant, East Berlin
STERNAGEL, Erwin	Ing	Design engr.	Drafting & Design Dept.	Jan 51	Funkwerke Koeppenick, East Berlin
TAEGE, Karl	Ing	Centimeter wave	Lab II/built receivers & worked on impulse technique problems	Jan 51	General Intendanz des Rundfunks, East Berlin
*VOLCMAR, Guenter	Dipl Ing	Electronics	Lab II/Airborne impulse transmitter	May 52	Sachsenwerk, Radeberg

\* - Transferred to Radio Detail Plant in Gorkiy in January 1951 where they were used as advisors for technical problems.  
 \*\* - Transferred from Moscow in 1948. In January 1951 was assigned to Radio Detail Plant until his repatriation in May 1952.

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**SECRET**

OCTOBER 1954

**N.I.I. 49, Leningrad**

**I INSTALLATION:** N.I.I. 49 is located in a group of pre-World War II hospital buildings in Smolnaya Rayon and bounded by Zavorovsky Prospect, Grechischer Prospect, and Hospital Street. An electronic research institute, N.I.I. 49 was established in the 1930's and is one of the leading research centers for naval electronics (radar) in the USSR. It is subordinate to the Ministry for Shipbuilding Industry.

**II WORK:** In 1946 twenty-three German specialists were forcibly deported from the DDR to N.I.I. 49 in Leningrad where they worked in five sections within the German specialists' group and three specialists worked for a time in the Soviet Measuring Equipment Laboratory and one in the Soviet Vacuum Tube Laboratory. The work consisted primarily of redesign and development of computers for the Wasserfall, Schmetterling, and Rheintochter missiles as well as gyroscope stabilization equipment.

**III** Twenty-three Germans worked at this installation in seven sections. All of them have returned from the USSR.

**IV** The following Germans who worked at this installation have returned and now are in the DDR:

NAME	TITLE	SPECIALTY	SECTION IN USSR	RET'D	LAST KNOWN PLACE OF EMPLOYMENT OR DDR LOCATION
ADLER, Friedrich	Ing	Engine systems	Computer Develop.	Mar 53	Marine Construction Dept., Berlin-Spindlersfeld
BACHER, Otto	Ing	Rocket controls	Design Group	Mar 53	Berlin, Marine Constr. Dept.
BIELECKE, Fritz	Ing	Servo-mechanisms	Computer Develop.	Mar 53	Koepenick, Marine Constr. Dept.
BOEGEL, Karl	Dr	Trajectory calculations	Mathematics Gp.	Mar 53	Blankenfelde, Academy of Sciences
BOEHM, Helmut	Ing	Gyroscopic instruments	Design Group	Mar 53	Johannistal-Berlin, Marine Constr. Dept.
ENDERT, Hans	Tech	Electrical equip.	Gyroscope Gp.	Mar 53	Treptow, Marine Constr. Dept.
ENDERT, Rosalie		Typist	Sec'y to MUMBERT	Mar 53	Cottbus

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OCTOBER 1954

N.I.I. 49, Leningrad

Sheet 2

NAME	TITLE	SPECIALTY	SECTION IN USSR	RET'D	LAST KNOWN PLACE OF EMPLOYMENT OR DDR LOCATION
GOLMERT, Paul	Ing	Electrical parts design	Gyroscope Gp.	Mar 53	Babelsberg
HESSLER, Herbert	Ing	Servo-controls	Computer Develop.	Mar 53	Berlin-Spandauerfeld, Marine Constr. Dept.
KIMBLER, Heinrich	Dr	Control devices	Ch, Computer Develop.	Mar 53	Berlin-Oberspree, Institut fuer Strahlungsquellen
LANGENBACH, Erich	Ing	Calculators	Ch, Design Gp.	Mar 53	East Berlin, Marine Constr. Dept. Min Constr of Transp Media & Farm Machines
NIELBOCK, Helmut	Ing	Amplifiers	Decimeter range Instr '46-mid 49; Design Gp. '49-53	Mar 53	Berlin-Johannisthal
NUERNBERG, Hains	Ing	Air bearing gyroscope	Gyroscope Group	Mar 53	Berlin, Dept. Schiffbau, Min for Transp & Farm Machines
RUEDLIN, Joachim	Dipl Ing	High voltage equip.	Computer develop.	Mar 53	Bleicherode
WILDE, Ernst	Dipl Ing	Spectro devices	Vacuum Tube Lab	Mar 53	Berlin-Bahnsdorf
WOLTER, Fritz	Ing	Ground computer sets	Computer develop.	Mar 53	Berlin, Dept. Schiffbau, Min for Transp & Farm Machines
SCHOENHOF, Waltraut (Frau BIELECKE)		Tech Secretary	MUMMERT Group	Mar 53	Berlin-Koepenick

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SECRET

DECEMBER 1954

INSTITUTE 160 - FRYAZINO

SCHELKOVE-FRYAZINO

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I INSTALLATION: The Scientific Research Institute 160 (NII-160) which is located in Fryazino (55°53'N/38°05'E) is subordinate to the Ministry for Communications Equipment Industry. It is engaged in electronic research, and the development and production of receiving and transmitting tubes, cathode-ray and television tubes, magnetrons and klystrons. The institute appears to be particularly important in the development of radar tubes and the manufacture of magnetrons and has been reported as the foremost center for electron tube development and technology in the USSR. The plant was established in the mid-1930's and in 1939, the institute building, the Design Office for Machine Construction (OKBM), the tube machinery building, and the tube factory building were erected. In 1941, all plant personnel and machinery were evacuated to Tashkent with only a small tube production department left at Fryazino. In 1946 and 1947, the institute was equipped with dismantled equipment from Oberspreewerk in Berlin and Tungsram in Budapest. Generally, the Soviets patterned the Institute after OSW. A two-story magnetron production shop, a similar building for transmitter tubes, and a large shop building for the OKBM were constructed between 1949 and the end of 1950. In February and March of 1952, definite construction was started on a large concrete foundation in the factory compound. The entire population of the village of Fryazino was connected directly or indirectly with the Institute and as the institute grew the village expanded from 8,000 to 30,000 in 1950. Employment at the institute has been [ ] 7,500 by early 1952, including 5,500 production workers and an engineering staff of several hundred.

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II WORK: In October, 1946, five German specialists from OSW were flown to Fryazino to demonstrate a spectral analyzer. After the demonstrations were completed, the Germans were told that they were to remain in Fryazino for an indefinite length of time. A few days later they were joined by approximately 200 German specialists and their families who had been transported from OSW and Telefunken. The Germans first assignments were to set up the OSW and Tungsram equipment and to organize the various labs and workshops, and train the Soviet technicians and engineers. They worked in all departments of the institute but were excluded from a few separate laboratories and workshops. Organizationally NII-160 was broken down as follows: (1) Technical Planning Department; 4 Germans worked in this department until 1948 when they were reassigned because the Soviets felt that they had access to too much classified information. (2) Theoretical Dept: Mathematical Group, Experimental Field Intensity Tests Group, Device Construction and High Frequency Lab. (3) Receiver Tube Department. (4) Radio Physics Department: Test Devices and Instruments Lab, Centimeter and Waveguide Lab. (5) Magnetron Department: Magnetron Lab. I under Zuzmanovski, which worked on jamming magnetrons; Lab. II under Fedoseyev, which primarily worked on redevelopment of [ ] sets; Lab for Gas-filled Tubes, Lab for Construction of Impulse Sets. (6) Klystron Department: Lab for Klystron Instruments, Lab for Klystron tubes, Klystron Testing Lab. (7) Crystal Detector Dept (staffed by one German). (8) Electro-Meter Tube Dept (all Soviet). (9) Chemical Department: Physics Lab, Materials Testing Lab, Oxide Cathode Lab, Surface Treatment Lab, Metal Atomizing Lab, Insulations Coating Lab. (10) Cathode Ray Department: Iconoscope and Transmitting Tube Lab, Oscillograph Tubes and Television Receiver Tube Lab, Illuminating Agents Lab, Secret Lab (all Soviet). (11) Gas Filled Tube Department (all Soviet). (12) Transmitter Tube Department. (13) Measuring Department: Spot Testing Lab, Mechanical Testing Lab (all Soviet) Heat, Cold, and Pressure Testing Lab, Life Endurance Testing Lab (all Soviet). (14) Central Office for Design and Drafting. (15) Production Engineering Department. (16) Central Workshop. (17) OKBM. (18) Glass Factory. (19) Tube Factory. In December 1946 they were joined by 20 specialists from Fernsch GmbH Obertannwald, Czechoslovakia (in 1943 Fernsch GmbH, Berlin-Zehlendorf was split into two groups, one was evacuated to Obertannwald and the other to Taufkirchen near Munich) who worked in the Special Construction Bureau 833 (NKB 833) which was assigned the task of developing and

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**INSTITUTE 160 - FRYAZINO**

Sheet # 2

constructing studio equipment for the Moscow TV Station. After completing the initial job of all equipment, laboratory facilities and all but four of the specialists were transferred to NII-380, Leningrad, in April 1948.

III The Germans worked in all of the departments of Institute 160.

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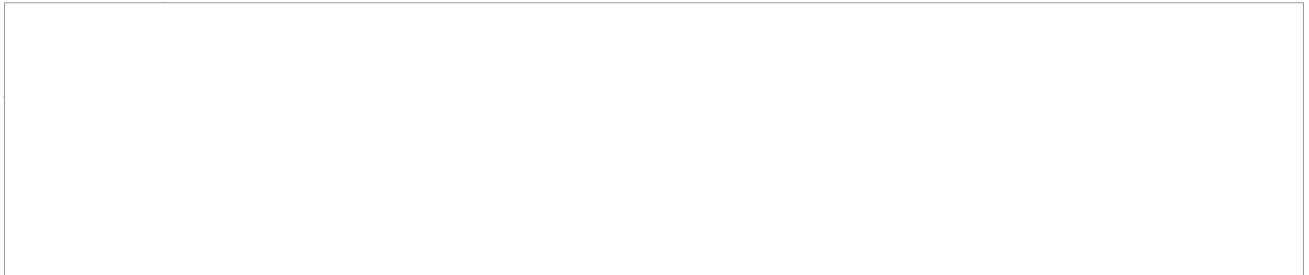
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**INSTITUTE 160 - PRYAZINO**

**Sheet # 3**

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IV All of the German specialists who worked at NII-160, except those who were arrested and sentenced, have returned. The following are in the DDR.

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